# MXM264N/M314N/M354N Specifications

## Main Specifications

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| MXM264N/ M314N/M354N | Base models include multi-tasking controller, high-resolution touch screen display, 100-sheet RSPF, PCL®6 network printing/scanning, duplexing, 2 x 500-sheet paper drawer and 100-sheet Bypass Tray. |
| Type | Desktop, multi-function digital document system |
| Display | 7.0" (diagonally measured) colour dot matrix touch panel display. |
| Functions | Copy, print, network print, network scan, document filing and fax[1] |
| Copy System | Dry electrostatic transfer/Dual component developer/ Magnetic brush development/OPC drums/heat roller fusing/ white LED exposure |
| Originals | Sheets and bound documents |
| Max Original Size | 11" x 17" |
| Copy Size | Min. 5.5" x 8.5", Max. 11" x 17" + 12" x 18" |
| Copy Speed | 26/31/35 ppm (8.5" x 11") |
| Multiple Copy | Max. 999 copies |

| First Copy Time (Seconds)[2] | MXM264N | MXM314N | MXM354N |
|---|---|---|---|
| Platen Glass | 4.9 | 4.4 | 4.0 |
| Doc. Feeder | 7.9 | 7.1 | 6.7 |

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| Warm-Up Time | 20 seconds or less[2] |
| Magnification | 25% to 400% in 1% increments (with document feeder 25%-200%) |
| Original Feed | 100-sheet RSPF with original size detection |
| Scan Speed | Copy mode: (B&W) Up to 50 OPM @ 600 x 400 dpi; Up to 36 OPM (Colour) @ 600 x 600 dpi.[2] Network Scan: Up to 50 OPM (B&W or Colour) 200 x 200 dpi.[2] |
| Original Sizes | 5.5" x 8.5", 8.5" x 11", 8.5" x 11" R, 8.5" x 14", 11" x 17" (13-32 lb. bond) |
| Paper Feed System | Standard: (2) 500-sheet paper drawer (letter/legal/ledger/ statement size) and 100-sheet bypass tray (letter/legal/ ledger/statement/envelope size). Optional: Single or double drawer paper deck (500 sheets each drawer), letter/legal/ledger/statement size. |
| Paper Types | Paper drawers: 16 lb. bond -28 lb. index. Other paper types include plain, pre-printed, recycled, pre-punched, letterhead and colour paper. Bypass Tray: 16-28 lb. bond (plain paper), 15-16 lb. bond (thin paper), 110 lb. index (heavy paper), 20-24 lb. bond (Monarch/Com-10 envelope), tab paper (letter). Also label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, colour paper and OHP film. |
| Duplexing | Standard automatic duplex copying and printing |
| CPU | Up to 600 MHz Multi-Processor Design |
| Interface | RJ-45 Ethernet (10/100/1000Base-T), USB 2.0 (2 host ports, front and rear), USB 2.0 (1 device port, rear) |
| Memory | Standard 2 GB |
| Hard Disk Drive | Optional (160 GB) |
| Copy Resolution | Scan: B&W/colour: 600 x 600 dpi Copy Output: B&W: 600 x 600 dpi |
| Exposure Control | Modes: Automatic Text, Text/Photo, Text/Printed-Photo, Printed-Photo, Photo, Map, Pale-Colour Document. Settings: Auto or 9 step manual |
| Halftone | 256 gradations/2 levels (monochrome) |
| Copy Features | Scan-Once Print-Many, electronic sorting, offset-stacking, Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), image preview, image edit, auto tray switching, rotation copy, reserve copy, tandem copy, book copy, margin shift, tab-paper insertion, edge erase, centre erase, book divide, dual page copy, cover pages, insert pages, OHP insertion, job build, card shot, mirror image, black-white reversal, centring, proof copy, 2-in-1/4-in-1/8-in-1, pamphlet, watermark custom image, job programs, date/ character/page stamp.[1] |
| Account Control | Up to 1000 users. Supports user-number authentication (on device), login name/password (on device) or login name/ password (on device via LDAP server) for Copy, Print, Scan, Fax and document management. |
| Output Tray Capacity | Main output tray (top) 500 sheets (face down); optional eject tray (right 1 side) 100 sheets (face down) |
| Firmware Management | Flash ROM with local (USB), network update capability and firmware update 1 to N with SRDM (Sharp Remote Device Management) |
| Configuration Method | Web-based management with user/administrator level login, cloning (1 to N) with SRDM and remote front panel access |
| Service/Functions | Remote front panel, remote access to service logs and click counts |
| Accessibility Features | Adjustment of Key Touch-Send and Speed, Concave Key, Document Feeder Free Stop, Job Programs, Remote Front Panel, Universal Grip for Paper Trays, and Disable Screen Timeout |
| Environmental Standards | International Energy Star Program Ver. 1.2, Law on Promoting Green Purchasing. European RoHS (Restriction of Hazardous Substances) |
| Power | AC 100-127 VAC, 60 HZ, 12 Amps |
| Power Consumption | Maximum: 1440 W or less |
| Weight | Approx. 113.8 lbs. |
| Approx. Dimensions | 24.5" (w) x 25.5" (d) x 31.5" (h) |

## Network Printing System

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| PDL | Standard PCL® 6 compatible, optional Postscript 3 |
| Resolution | 1200 x 600 dpi |
| Print Speed | 26/31/35 pages per minute (8.5" x 11") |
| Print Drivers | Windows® Server® 2003-2008, Windows® XP, Windows XP x64, Windows® Server x64, Windows Vista®, Windows Vista® x64, Windows® 7, MAC, OSX (including 10.4.11, 10.5-10.5.8, 10.6-10.6.8, 10.7-10.7.2), all MAC PPD. |
| Features | Auto configuration, continuous printing, electronic sorting, offset stacking, N-up printing, duplex printing, transparency inserts, margin shift, image rotation, different cover page, poster print, job bypass print, job retention, confidential print, proof print, user authentication, image stamp and watermarks. Additional features: network tandem print, carbon copy print mode, different cover page/last page/other page, tab paper settings, tab printing, chapter inserts, page Interleave and bar code font printing[1] |
| Direct Printing | File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, (optional) PostScript Methods: FTP, Web page, E-mail and USB memory |
| Resident Fonts | 80 outline fonts (PCL), 136 fonts (PS) |
| Interface | RJ-45 Ethernet 10/100/1000Base-T, USB 2.0 |
| Operating Systems | Windows® Server® 2003-2008, Windows® 2000/XP, Windows Vista, Windows 7, MAC OSX 10.4.11, 10.5-10.5.8, 10.6-10.6.5, 10.6.8, 10.7-10.7.2, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, Unix®, Linux® and Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services.[1] |
| Network Protocols | TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, SMTP, POP3, LDAP, 802.1x for Windows and Unix. LPD and LPR for Unix. IPX/SPX® for Novell environments. EtherTalk® and NetBEUI. AppleTalk® for Macintosh® environments.[1] |
| Printing Protocols | LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Rprinter |
| Network Security | IP/MAC address filtering, protocol filtering, port management, user authentication and document administration.[1] |
| Security Standards | IEEE-2600™-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)[1] |

## Network Scanning System

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| Scan Modes | Standard: Colour, monochrome, greyscale |
| Max Original Size | 11" x 17" |
| Optical Resolution | 600 dpi |
| Output Modes | 600 dpi, 400 dpi, 300 dpi, 200 dpi, 150 dpi, 100 dpi |
| Image Formats | Monochrome: TIFF, PDF, Encrypted PDF, XPS, PDF/A Colour: Greyscale, Colour TIFF, JPEG, PDF, Encrypted PDF, XPS, PDF/A Internet Fax: TIFF-FX, TIFF-C, TIFF-F, TIFF-S[1] |
| Image Compression | Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/ MMR) Colour/Greyscale: JPEG (high, middle, low) Internet Fax mode: MH/MMR (option) |
| Scan Destinations | E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option) |
| One-touch | Up to 1000 (combined scan destinations) |
| Group Destinations | Up to 500 |
| Programs | 48 (combined) |
| Max. Jobs | Up to 100 |
| Network Protocols | TCP/IP and SSL (includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x. |
| Network Security | E-mail server user authentication for LDAP and Active Directory |
| Software | Sharpdesk® desktop document management software (1 user license) |

## B&W Super G3 Fax Kit (option)

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|---|---|
| Transmission Mode | Super G3, G3 |
| Modem Speed | 33.6 KBPS[3] |
| Compression Methods | JBIG, MMR, MR, MH |
| Scanning Method | Sheet fed simplex or duplex or book |
| Max. Resolution | 400 dpi |
| Transmit Speed | Approx. 2 seconds with Super G3/JBIG[4] |
| Auto Dialing | Up to 1000 (combined scan destinations) |
| Group Dial | Up to 500 destinations |
| Inbound Fax | Routing: Forwards received fax data to E-mail |
| Long Length Originals | Up to 31.5" (for transmission) |
| Programs | 48 (combined) |
| Memory | 512 MB, 1 GB[1] |
| Halftone | 256 levels |

## Inner Finisher (option)

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|---|---|
| Type | Built-in finisher |
| Output Capacity | 500 sheets (letter/statement) or 250 sheets (ledger/legal size) |
| Output Delivery | Face down |
| Stapling Media | Plain paper (letter, legal, or ledger size) |
| Stapling Position | 1 rear |
| Power Source | Supplied from main unit |
| Stapling | Up to 50 sheets (letter size) or 30 sheets (legal, ledger or mixed) |
| Stapled Sets | 30 bundles or 500 sheets (letter or statement size) or 30 bundles or 250 sheets (legal or ledger size) |
| Weight | Approx. 28.6 lbs. |
| Dimensions | 18.75" (w) x 18.25" (d) x 8" (h) |

## Optional Equipment

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| MXDE17 | Stand/1 x 500 Sheet Paper Drawer |
| MXDE18 | Stand/2 x 500 Sheet Paper Drawer |
| MXDS16 | Low Stand |
| MXDS17 | High Stand |
| MXFN23 | Inner Finisher |
| MXSCX1 | Staple Cartridge (MXFN23) |
| MXTR11 | Job Separator |
| MXTE10 | Right-side Exit Tray Unit (Requires MXFN23) |
| MXPK11 | PostScript® 3™ Kit |
| MXFX11 | Fax Expansion Kit |
| MXFWX1 | Internet Fax Kit (Requires MXHD12) |
| MXPF10 | Bar Code Font Kit |
| ARSU1 | Stamp Unit (Requires ARSV1 Stamp Cartridge) |
| ARSV1 | Stamp Cartridge |
| MXKB14 | Full-size, Retractable QWERTY Keyboard |
| MXHD12 | Hard Disk Drive Expansion Kit |
| MXAMX1 | Application Integration Module (Requires MXHD12) |
| MXAMX2 | Application Communication Module (Requires MXHD12) |
| MXAMX3 | External Accounting Module (Requires MXHD12) |
| MXFR37U | Commercial Data Security Kit (not available at time of launch) |

## Supplies

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|---|---|
| MX312NT | Black Toner Cartridge |
| MX312NV | Black Developer |
| MX312NR | Drum |

[1] Some features require optional equipment and/or software.
[2] May vary depending on product configuration, machine settings and operating and/or environmental conditions.
[3] Actual transmission time will vary based on line conditions.
[4] Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.

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